

Title (en)
Sail membrane

Title (de)
Segelmembran

Title (fr)
Membrane de voile

Publication
EP 2157226 A3 20100811 (DE)

Application
EP 09008373 A 20090626

Priority
DE 102008030447 A 20080626

Abstract (en)
[origin: US2009320733A1] Sail membrane preferably made of a woven fabric of synthetic fibers, with said membrane having a microroughness in the form of parallelly extending grooves arranged so as to achieve a density of 5 to 25 grooves/mm deposited on or integrated into said membrane surface.

IPC 8 full level
D06C 23/04 (2006.01); **B63H 9/06** (2006.01); **D06C 15/00** (2006.01)

CPC (source: EP US)
B32B 3/30 (2013.01 - EP US); **B32B 5/024** (2013.01 - EP US); **B32B 5/10** (2013.01 - EP US); **B32B 5/26** (2013.01 - EP US); **B63H 9/067** (2020.02 - EP US); **D06C 15/00** (2013.01 - EP US); **D06C 23/04** (2013.01 - EP US); **D06M 15/256** (2013.01 - EP US); **D06M 15/705** (2013.01 - EP US); **D06M 23/08** (2013.01 - EP US); **D06M 23/16** (2013.01 - EP US); **B32B 2250/20** (2013.01 - EP US); **B32B 2255/02** (2013.01 - EP US); **B32B 2262/0253** (2013.01 - EP US); **B32B 2262/0261** (2013.01 - EP US); **B32B 2262/0276** (2013.01 - EP US); **B32B 2307/72** (2013.01 - EP US); **B32B 2307/7242** (2013.01 - EP US); **B32B 2307/73** (2013.01 - EP US); **B32B 2605/12** (2013.01 - EP US); **Y10T 156/1023** (2015.01 - EP US); **Y10T 156/1039** (2015.01 - EP US); **Y10T 428/24372** (2015.01 - EP US); **Y10T 428/24471** (2015.01 - EP US)

Citation (search report)
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• [X] WO 0045658 A1 20000810 - GIERVELD BEHEER BV [NL], et al
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• [A] EP 1048232 A2 20001102 - TORAY INDUSTRIES [JP]
• [A] EP 1516949 A1 20050323 - ASAHI KASEI FIBERS CORP [JP]
• [A] DE 8910535 U1 19891019

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102008030447 A1 20091231; EP 2157226 A2 20100224; EP 2157226 A3 20100811; EP 2157226 B1 20131016; ES 2442295 T3 20140211; US 2009320733 A1 20091231; US 8459194 B2 20130611

DOCDB simple family (application)
DE 102008030447 A 20080626; EP 09008373 A 20090626; ES 09008373 T 20090626; US 49093709 A 20090624